

Atty. Docket No. MTKI-04-332A-1
Serial No: 09/401,132

$$V_i = K_i \times T_{\text{frame}}$$

where V_i is a target object bit rate for each object, and K_i is proportional to an average pixel value for the object.

1/3/08
30. (Previously Presented) The apparatus of claim 29, wherein said controller determines said target object bit rate for the plurality of objects in accordance with a mean absolute difference (MAD) of said object.

31. (Cancelled)

computer-executable 32. (Currently Amended) A computer-readable medium having stored thereon a plurality of instructions which, when executed by a processor, perform steps comprising:

(a) determining a target frame bit rate, T_{frame} , for each a frame in an image sequence in accordance with a quantizer scale for each object in the frame, wherein said each frame includes a plurality of objects; and

(b) allocating said target frame bit rate among the plurality of objects in accordance with the formula:

$$V_i = K_i \times T_{\text{frame}}$$

where V_i is a target object bit rate for each object, and K_i is proportional to an average pixel value for the object; and

(c) generating the quantizer scale for each of said plurality of objects in accordance with said target object bit rate, wherein said quantizer scale provides coarser and/or fewer allowed quantization values for a high frequency subband of said image sequence than for a low frequency subband of said image sequence; and

(d) recursively adjusting the target frame bit rate for each frame in the sequence.

33. (Previously Presented) The computer-readable medium of claim 32, further comprising an instruction to determine said target object bit rate for each of the plurality of objects in accordance with a mean absolute difference (MAD) of said object.